BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**106**	
Item Name:	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Steel						
	Steel Qty Vide From Steel calculation Sheet					20174.74	
					Total Quantity of Steel in Kg's	**20174.74**	**Kg's**
					Total Quantity of Steel in Tonne's	**20.17**	**Tonnes**
					Qty Payable in this bill	**20.17**	**Tonnes**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

17/5/2022

Asst.Exective Engineer
Yashanthapura Subdivision

17/5/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First And Part Bill

Item No:	106	
Item Name:	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	New Pond Raft						
	Retaining Wall						
	Raft			**Weight per mtr**			
	Distribution Bottom 16mm Dia @ 150mm c/c	258	12.25	**1.58**		**4999.90**	
	Distribution Top 16mm Dia @ 150mm c/c	258	12.25	**1.58**		**4999.90**	
	Main Bar Bar Bottom 12mm Dia @ 150mm c/c	70	45.20	**0.89**		**2812.44**	
	Main Bar Bar Top 12 mm Dia @ 150mm c/c	70	45.20	**0.89**		**2812.44**	
	New Pond Walls						
	Walls Along -X (2 sides)						
	Main Bar outer 16 mm Dia @ 150mm c/c	603	1.35	**1.58**		**1287.11**	
	Main Bar Inner16 mm Dia @ 150mm c/c	603	1.35	**1.58**		**1287.11**	
	Distribution Bar outer 12mm Dia @ 150mm c/c	6	90.50	**0.89**		**482.67**	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Distribution Bar Inner 12mm Dia @ 150mm c/c	6	90.50	0.89		482.67	
	Walls Along -Y(2 sides)						
	Main Bar outer 16 mm Dia @ 150mm c/c	163	1.35	1.58		348.44	
	Main Bar Inner16 mm Dia @ 150mm c/c	163	1.35	1.58		348.44	
	Distribution Bar outer 12 mm Dia @ 150mm c/c	7	24.50	0.89		156.80	
	Distribution Bar Inner 12 mm Dia @ 150mm c/c	7	24.50	0.89		156.80	
					Total Qty Work Done	20174.74	Kg
					Total Qty Work Done	20.17	Tonne
					Qty Payable in this bill	20.17	Tonne

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Contractor Representative

Consultant Representative

17/5/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

17/05/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**107**	
Item Name:	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Form Work for Walls						
	Walls-X	**4.00**	45.20		0.90	162.72	
	Walls-Y	**4.00**	12.25		0.90	44.10	
					Total Qty Work Done	**206.82**	**Sqm**
					Qty Limited	**201.60**	**Sqm**
					Qty Payable in this bill	**201.60**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

16/5/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
16/05/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**108**	
Item Name:	KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Rough Plastering						
	Bottom Slab	**1.00**	45.20	12.25		553.70	
	Deductions						
	Chamber	**-1.00**	0.90	0.90		-0.81	
	Walls-X	**2.00**	45.20		0.90	81.36	
	Walls-Y	**2.00**	12.25		0.90	22.05	
					Total Qty Work Done	**656.30**	**Sqm**
					Qty Limited	**595.80**	**Sqm**
					Qty Payable in this bill	**595.80**	**Sqm**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17
22/6/2022

Asst.Exective Engineer
Yashanthapura Subdivision
22/06/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**109**
Item Name:	KSRB15-4.4 Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, forcement mortar 1:4, 18mm thick cost of materials complete as per specifications

	CHAINAGE / Land Mark	**NO**	**L (m)**	**B (m)**	**D (m)**	**QTY**	**REMARKS**
	New Pond- Waterproofing						
	Bottom Slab	**1.00**	45.20	12.25		553.70	
	Deductions						
	Chamber	**-1.00**	0.90	0.90		-0.81	
	Walls-X	**2.00**	45.20		0.90	81.36	
	Walls-Y	**2.00**	12.25		0.90	22.05	
					Total Qty Work Done	**656.30**	**Sqm**
					Qty Limited	**595.80**	**Sqm**
					Qty Payable in this bill	**595.80**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

22/6/2022

Asst.Exective Engineer
Yashanthapura Subdivision

22/06/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**110**	
Item Name:	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Glazed Tiles						
	Bottom Slab	**1.00**	45.20	12.25		553.70	
	Deductions						
	Chamber	**-1.00**	0.90	0.90		-0.81	
					Total Qty Work Done	**552.89**	**Sqm**
					Qty Payable in this bill	**552.89**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

22/6/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

22/06/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**111**	
Item Name:	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 66, I.No. 10.2 of PWD SR 2015-16)	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Cement Based Water Proofing						
	Bottom Slab	**1.00**	45.20	12.25		553.70	
	Deductions						
	Chamber	**-1.00**	0.90	0.90		-0.81	
	Walls						
	Walls-Y	**2.00**	45.20	0.90		81.36	
	Walls-x	**2.00**	12.25	0.90		22.05	
					Total Qty Work Done	**656.30**	**Sqm**
					Qty Limited	**595.80**	**Sqm**
					Qty Payable in this bill	**595.80**	**Sqm**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17
22/6/2022

Asst.Exective Engineer
Yashanthapura Subdivision
22/06/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	112
Item Name:	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	New Pond- Granite Flooring						
	Walls						
	Walls-Y	**2.00**	45.20	0.90		81.36	
	Walls-x	**2.00**	12.25	0.90		22.05	
	Top Portions						
	Walls-Y	**2.00**	45.20	0.30		27.12	
	Walls-x	**2.00**	12.25	0.30		7.35	
	Deck Slab	**1.00**	298.99			298.99	
	Steps-Left Side						
	Treads	**3.00**	1.30	0.25		0.98	
	Rise	**3.00**	1.30	0.15		0.59	
	Steps-Right Side						
	Treads	**3.00**	1.20	0.25		0.90	
	Rise	**4.00**	1.20	0.15		0.72	
	Steps-Front Side						
	Treads	**3.00**	3.20	0.30		2.88	
	Rise	**2.00**	3.20	0.15		0.96	
					Total Qty Work Done	**443.89**	**Sqm**
					Qty Limited	**235.20**	**Sqm**
					Qty Payable in this bill	**235.20**	**Sqm**

Contractor Representative

Consultant Representative

8/7/22

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**113**	
Item Name:	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over oltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with inimized minimal tools. LED Light fixture with .....W System Power consumption. LED fficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. (P.67 I.No.12.9.7) Electrical SR 14-15	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Led Flood Light						
	LED Flood Light	**4.00**				4.00	
					Total Qty Work Done	**4.00**	**Nos**
					Qty Payable in this bill	**4.00**	**Nos**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	114	
Item Name:	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps staircase made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes fixed horizontally for 2-rows top, one pipes fixed with vertical pipes another one fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work.	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Gallary Railings						
	Granite Bench Surroundings (From Right side)						
	Railings	**1.00**	**39.70**		0.90	35.73	
	Granite Bench Surroundings (From Left side)						
	Railings	**1.00**	**29.10**		0.90	26.19	
	From Entrance Gate to Surrouding of Gallary -1						
	Railings	**1.00**	**78.90**		1.00	78.90	
	From 2nd Exiting Gate to 1st Exiting Gate Surrouding of Gallary -2						
	Railings	**1.00**	**78.90**		1.00	78.90	
					Total Qty Work Done	**219.72**	**Sqm**
					Qty Payable in this bill	**219.72**	**Sqm**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	115							
Item Name:	Musical Fountain Proposal:---------- SITC of Ultrafast Action Jet, in linear array, made of brass/Noryl construction with a maximum jet height of 10m.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	SITC of Ultrafast Jet		**49.00**				49.00	
						Total Qty Work Done	**49.00**	**Nos**
						Qty Payable in this bill	**49.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

8/7/22

Asst.Exective Engineer
Yashanthapura Subdivision

08/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	116						
Item Name:	SITC of Centre Jet, in brass/Noryl construction, with a jet height of 9m.						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	SITC of Center Jet	**1.00**				1.00	
					Total Qty Work Done	**1.00**	**Nos**
					Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS * Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**117**						
Item Name:	SITC of Straight jet made of brass/Noryl construction @ 1.6 m PCD with a jet height of 6m						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	SITC of Straight Jet	**6.00**				6.00	
					Total Qty Work Done	**6.00**	**Nos**
					Qty Payable in this bill	**6.00**	**Nos**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

28/7/22

Asst.Exective Engineer
Yashanthapura Subdivision

28/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	118							
Item Name:	SITC of Sunburst jet, with aluminium header, each having 15 nos brass /noryl construction with a jet height of 5m.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	SITC of Sunburst Jet		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
08/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**119**							
Item Name:	2D + Fan Swing Jet							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain					Checked	
	Fan Swing Jet		**8.00**				8.00	
						Total Qty Work Done	**8.00**	**Nos**
						Qty Payable in this bill	**8.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
08/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**120**							
Item Name:	Inside Drop (1.6 m dia) with brass/noryl construction jet height 4m							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Inside Drop		**2.00**				2.00	
						Total Qty Work Done	**2.00**	**Nos**
						Qty Payable in this bill	**2.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	121							
Item Name:	Outside Drop (1.6 m dia) with brass/noryl construction jet height 2.5m							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Outside Drop		**2.00**				2.00	
						Total Qty Work Done	**2.00**	**Nos**
						Qty Payable in this bill	**2.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
08/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	122							
Item Name:	Single Oscillating made aluminium fountain head,SSArm,brass/noryl construction nozzle jet height 5m							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Single Oscillating		**2.00**				2.00	
						Total Qty Work Done	**2.00**	**Nos**
						Qty Payable in this bill	**2.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**123**						
Item Name:	Dancing Peacock with aluminium fountain head,brass/noryl construction nozzle,SS Arm						
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Dancing Peacock		**4.00**				4.00	
						Total Qty Work Done	**4.00**	**Nos**
						Qty Payable in this bill	**4.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	124							
Item Name:	SITC of 2D Swing Jet, in SS construction, with a maximum jet height of 7m.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	SITC of 2D Swing Jet		**8.00**				8.00	
						Total Qty Work Done	**8.00**	**Nos**
						Qty Payable in this bill	**8.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**125**						
Item Name:	Arch Jet made of brass/noryl construction with a jet height 7m						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	Arch Jet	**2.00**				2.00	
					Total Qty Work Done	**2.00**	**Nos**
					Qty Payable in this bill	**2.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS (P) Ltd. Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**126**						
Item Name:	Water Screen nozzle,capable of forming a water screen of size 9 m x 27 m.						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	Water Screen Nozzle	**1.00**				1.00	
					Total Qty Work Done	**1.00**	**Nos**
					Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	127							
Item Name:	Supplying of manifold GI manifold, feeder pipework etcfor jets.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Etcfor Jets		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**Lot**
						Qty Payable in this bill	**1.00**	**Lot**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

28/7/22

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
28/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**128**						
Item Name:	Galvanised manifold with necessary support stands, for Water Screen						
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Water Screen		1.00				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE								
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).								
Measurement Sheet								
First & Part Bill								
Item No:	**129**							
Item Name:	Supplying and fixing of submersible pumps : Borewell pump, 25 hp with SS mesh for pit cover.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	SubMersible Pump-25Hp		**2.00**				2.00	
						Total Qty Work Done	**2.00**	**Nos**
						Qty Payable in this bill	**2.00**	**Nos**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
08/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**130**							
Item Name:	Borewell pump, 10 hp with SS mesh for pit cover.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Pump-10Hp		**5.00**				5.00	
						Total Qty Work Done	**5.00**	**Nos**
						Qty Payable in this bill	**5.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**131**							
Item Name:	Borewell pump, 6 hp with SS mesh for pit cover.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Pump-6Hp		**2.00**				2.00	
						Total Qty Work Done	**2.00**	**Nos**
						Qty Payable in this bill	**2.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**132**						
Item Name:	Bore well pump, 2 hp						
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain							
	Pump-2Hp		**8.00**				8.00	
						Total Qty Work Done	**8.00**	**Nos**
						Qty Payable in this bill	**8.00**	**Nos**

Contractor Representative

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Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	133							
Item Name:	Solenoid Valve: Fast acting solenoid valve of SS construction with 24 volt DC coil.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Solenoid Valve:		**87.00**				87.00	
						Total Qty Work Done	**87.00**	**Nos**
						Qty Payable in this bill	**87.00**	**Nos**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	134							
Item Name:	Supply of gate valves, butterfly valves, check valves: CI butterfly valve							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
			1.00				1.00	
						Total Qty Work Done	**1.00**	**lot**
						Qty Payable in this bill	**1.00**	**lot**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE								
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).								
Measurement Sheet								
First & Part Bill								
Item No:	**135**							
Item Name:	CI check valve							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Check valve		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**lot**
						Qty Payable in this bill	**1.00**	**lot**

Contractor Representative

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Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**136**							
Item Name:	GM gate valves 25 mm,32 mm, 40 mm							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain							
	Gate valve		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**lot**
						Qty Payable in this bill	**1.00**	**lot**

Contractor Representative

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Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	137							
Item Name:	Waterproof LED light, IP 68, Noryl construction: Ring type LED light (RGB) 36 watt							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
	LED Light 36 Watt		**71.00**				71.00	
						Total Qty Work Done	**71.00**	**lot**
						Qty Payable in this bill	**71.00**	**lot**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**138**							
Item Name:	LED light (RGB), 54 watt							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	LED Light 54 Watt		**58.00**				58.00	
						Total Qty Work Done	**58.00**	**Nos**
						Qty Payable in this bill	**58.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	139						
Item Name:	Sound System: Speaker 500 watt, Make: JBL AW266 with weather proof enclosure						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	Speaker	6.00				6.00	
					Total Qty Work Done	**6.00**	**Nos**
					Qty Payable in this bill	**6.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
08/07/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	140						
Item Name:	Subwoofers, 800 watt, Make JBL PRX 418S with weather proof enclosure						
	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	New Pond- Musical Fountain						
	Subwoofers	2.00				2.00	
					Total Qty Work Done	2.00	Nos
					Qty Payable in this bill	2.00	Nos

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**141**						
Item Name:	Amplifier 1200 watt RMS, Make: CROWN CTs 1200						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	Amplifier	**4.00**				4.00	
					Total Qty Work Done	**4.00**	**Nos**
					Qty Payable in this bill	**4.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	142							
Item Name:	Cross Over							
	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
		New Pond- Musical Fountain						
			1.00				1.00	
						Total Qty Work Done	1.00	Nos
						Qty Payable in this bill	1.00	Nos

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	143							
Item Name:	Audio splitter							
	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
		New Pond- Musical Fountain						
			1.00				1.00	
						Total Qty Work Done	1.00	Nos
						Qty Payable in this bill	1.00	Nos

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE								
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).								
Measurement Sheet								
First & Part Bill								
Item No:	**144**							
Item Name:	Audio Mixer							
	CHAINAGE	**Land Mark**	**NO**	**L (m)**	**B (m)**	**D (m)**	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
			1.00				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**145**						
Item Name:	Audio cable						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
		1.00				1.00	
					Total Qty Work Done	**1.00**	**Lot**
					Qty Payable in this bill	**1.00**	**Lot**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	146							
Item Name:	Video Projector: SITC of projector of 20000 lumens							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
	Video Projector		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE								
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).								
Measurement Sheet								
First & Part Bill								
Item No:	**147**							
Item Name:	Laser: SITC of 5 watt Laser (RGB) along with Pangolin Beyond Essential.							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
	Laser		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

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Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE								
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).								
Measurement Sheet								
First & Part Bill								
Item No:	**148**							
Item Name:	Control System & software: Programmed control with Sunlite software with valid license and computer with UPS.							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
	Control System		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE								
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).								
Measurement Sheet								
First & Part Bill								
Item No:	**149**							
Item Name:	Cables Flat cable 6 sq.mm x 3 core							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
	6sqmm cable		**1.00**	100.00			100.00	
						Total Qty Work Done	**100.00**	**Mtr**
						Qty Payable in this bill	**100.00**	**Mtr**

Contractor Representative

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Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**150**							
Item Name:	Electrical Control Panel SITC of electrical panel for pumps, including VFD, with necessary starters, MCBs, single phase preventer, ammeter/ voltmeter.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	2.5sqmm cable		1.00	650.00			650.00	
						Total Qty Work Done	**650.00**	**Mtr**
						Qty Payable in this bill	**650.00**	**Mtr**

Contractor Representative

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Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**151**							
Item Name:	1.5 sq.mm x 2 core flexible copper							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain(From Control Room to Fountain Surroudings)						
	1.5sqmm cable		**1.00**	3000.00			3000.00	
						Total Qty Work Done	**3000.00**	**Mtr**
						Qty Payable in this bill	**3000.00**	**Mtr**

Contractor Representative

QUALITY CONSULTANT Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**152**						
Item Name:	1.5 sq.mm x 4 core flexible copper						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain(From Control Room to Fountain Surroudings)						
	1.5sqmm x 4C cable	**1.00**	30000.00			30000.00	
					Total Qty Work Done	**30000.00**	**Mtr**
					Qty Payable in this bill	**30000.00**	**Mtr**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	153	
Item Name:	Electrical Control Panel SITC of electrical panel for pumps, including VFD, with necessary starters, MCBs, single phase preventer, ammeter/ voltmeter.	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		New Pond- Musical Fountain					
	Contro Panel	1.00				1.00	
					Total Qty Work Done	1.00	Set
					Qty Payable in this bill	1.00	Set

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**154**							
Item Name:	SITC of panels for sol valves with necessary transformers, Relay banks/ contactors/ MCBs.							
	CHAINAGE	**Land Mark**	**NO**	**L (m)**	**B (m)**	**D (m)**	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	SITC of Panel		**1.00**				1.00	
						Total Qty Work Done	**1.00**	**Set**
						Qty Payable in this bill	**1.00**	**Set**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS PVT. LTD. Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**155**							
Item Name:	SITC of panels for LED lights with necessary transformers, Relay banks/ contactors/ MCBs.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	SITC of Panel for LED Light		1.00				1.00	
						Total Qty Work Done	**1.00**	**Set**
						Qty Payable in this bill	**1.00**	**Set**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	156						
Item Name:	Power Distribution Panel						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain						
	Distribution Panel	1.00				1.00	
					Total Qty Work Done	**1.00**	**Nos**
					Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGG. Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	157							
Item Name:	On line Uninterrupted Power supply 5 kVA for Laser & Projector.							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
			1.00				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**158**							
Item Name:	SITC of earth electrodes and earth plates with necessary copper flats.Lightening Arrester							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Musical Fountain							
	Lightening Arrester		**2.00**				2.00	
						Total Qty Work Done	**2.00**	**Set**
						Qty Payable in this bill	**2.00**	**Set**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	159							
Item Name:	Fountain Programming: Integration of water effects, lights, etc in synchronisation with music 40 – 45 min duration.							
	CHAINAGE / **Land Mark**		**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
	Fountain Programming		1.00				1.00	
						Total Qty Work Done	**1.00**	**Each**
						Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE							
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).							
Measurement Sheet							
First & Part Bill							
Item No:	**160**						
Item Name:	Customised Show in Telegu, 20 min duration (Concept & script will be provided by client)						
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
		New Pond- Musical Fountain						
			2.00				2.00	
						Total Qty Work Done	**2.00**	**Set**
						Qty Payable in this bill	**2.00**	**Set**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**161**							
Item Name:	O&M charges for 5 years for running Multimedia Laser Show Integrated with Musical Dancing Fountain and Water Screen at Jaya Prakash Narayana Park, Bangalore							
	CHAINAGE	**Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		New Pond- Musical Fountain						
			1.00				1.00	
						Total Qty Work Done	**1.00**	**Nos**
						Qty Payable in this bill	**1.00**	**Nos**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision